

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No.  
UTU-0464

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No.

NBU 1022-06FT

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

9. API Well No.

43-047-40157

3A. Address

PO BOX 173779, DENVER, CO 80123

3b. Phone No. (include area code)

(720) 929-6666

10. Field and Pool, or Exploratory

NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface SENW 2108' FNL, 1669' FWL 62946X 39. 979 549  
At proposed prod. Zone 44263784 -109. 483815

11. Sec., T., R., M., or Blk, and Survey or Area

SEC 6-T10S-R22E

14. Distance in miles and direction from nearest town or post office\*

26 +/- MILES SOUTH EAST OF OURAY, UTAH

12. County or Parish

UINTAH

13. State

UT

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

1669'

16. No. of Acres in lease

206.97

17. Spacing Unit dedicated to this well

40

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

REFER TO  
TOPO C

19. Proposed Depth

9100

20. BLM/BIA Bond No. on file

WYB-000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5083 GR

22. Approximate date work will start\*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

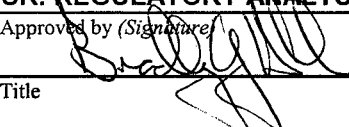
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) RALEEN WHITE	Date 6/13/2008
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Title

SR. REGULATORY ANALYST

Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-18-08
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Title

Office  
ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action Is Necessary

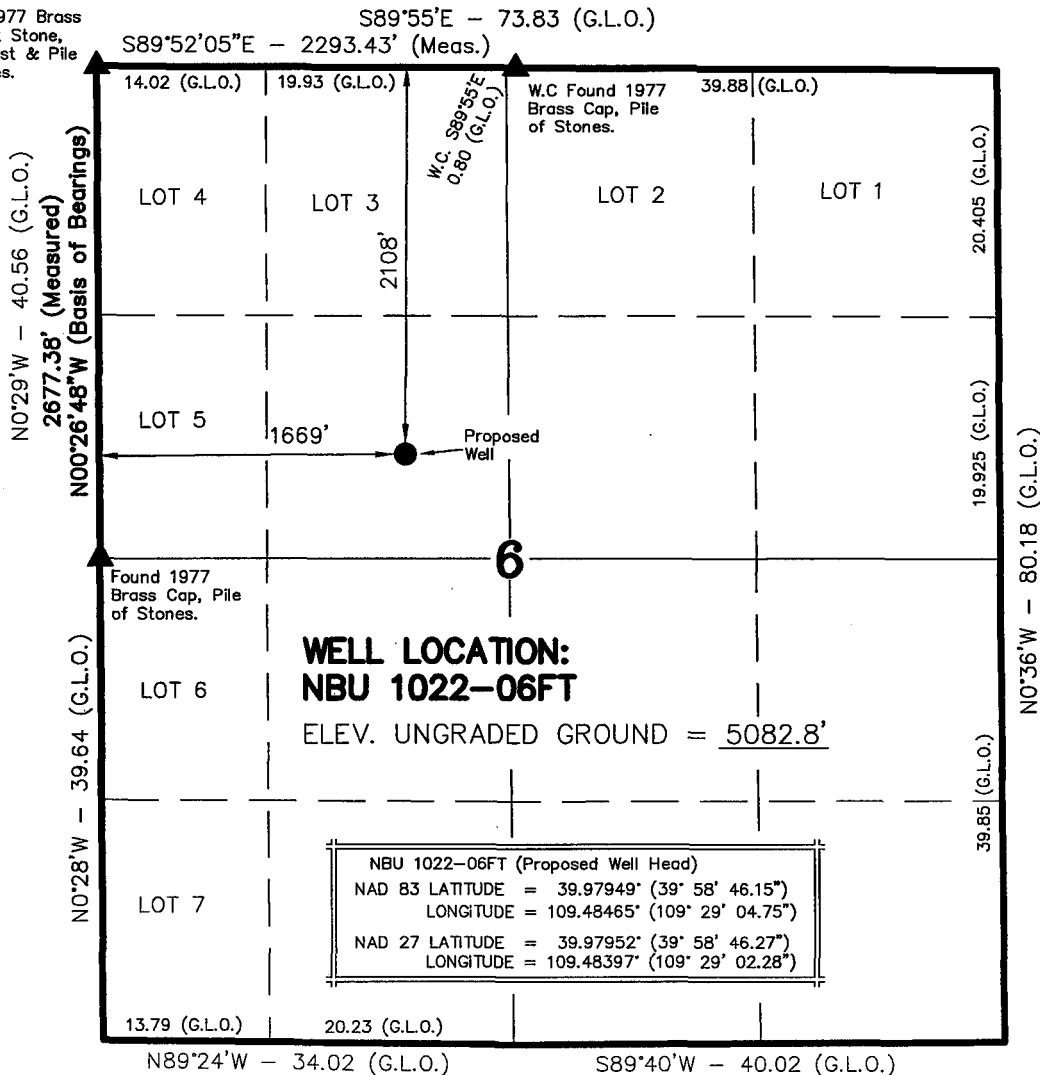
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JUN 16 2008

DIV. OF OIL, GAS & MINING

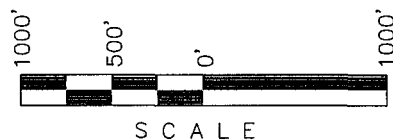
# T10S, R22E, S.L.B.&M.

Found 1977 Brass  
Cap, Set Stone,  
Steel Post & Pile  
of Stones.



## NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



## SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 362251  
STATE OF UTAH

**Kerr-McGee**  
**Oil & Gas Onshore, LP**  
1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-06FT**  
**WELL PLAT**  
**2108' FNL, 1669' FWL**  
**SE ¼ NW ¼ OF SECTION 6, T10S, R22E,**  
**S.L.B.&M. UINTAH COUNTY, UTAH.**

**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**TIMBERLINE**

(435) 789-1365

**ENGINEERING & LAND SURVEYING, INC.**  
38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 06-02-08	SURVEYED BY: M.S.B.	SHEET
DATE DRAWN: 06-04-08	DRAWN BY: M.W.W.	2
SCALE: 1" = 1000'	Date Last Revised:	OF 7

**NBU 1022-06FT  
TWIN TO NBU 141  
SENW, SEC. 6, T10S, R22E  
UINTAH COUNTY, UTAH  
UTU-0464**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1301'
Birds Nest	1586'
Mahogany	2062'
Wasatch	4499'
Mesaverde	7079'
TD	9100'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1301'
Water	Birds Nest	1586'
Water	Mahogany	2062'
Gas	Wasatch	4499'
Gas	Mesaverde	7079'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**4. Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9100' TD, approximately equals 5642 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3640 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP. Please see KMG sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

**KERR-McGEE OIL & GAS ONSHORE LP**

## DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	June 13, 2008	
WELL NAME	NBU 1022-06FT	TD	9,100'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE Utah
ELEVATION	5,083' GL		KB 5,098'	
SURFACE LOCATION	SENW- SEC. 6, T10S, R22E - 2108 FNL, 1669 FWL			BHL Straight Hole
	Latitude: 39.979520	Longitude: 109.483970		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.			

GEOLOGICAL FORMATION			HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
LOGS	TOPS	DEPTH			
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,499'					
	Green River @	1,301'			
	Top of Birds Nest Water @	1586'			
	Mahogany @	2,062'			
	Preset f/ GL @				
	2,100' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Wasatch @	4,499'			Water/Fresh Water Mud
	Mverde @	7,079'			8.3-10.0 ppg
	MVU2 @	7,985'			
	MVL1 @	8,611'			
	TD @	9,100'			
			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Max anticipated Mud required 10.0 ppg



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2100	36.00	J-55	LTC	1.29	2.06	7.63
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9100	11.60	I-80	LTC	2.85	1.34	2.18

1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 10.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)

MASP 2730 psi

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,990'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,110'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1430	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

**NBU 1022-06FT  
TWIN TO NBU 141  
SENW, SEC. 6, T10S, R22E, SLB&M  
UINTAH COUNTY, UTAH  
UTU-0464**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

No new access road is proposed. Refer to Topo Map B.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.*

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Utilizing existing pipeline.

**Variances to Best Management Practices (BMPs) Requested:**

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**Interim Surface Reclamation Plan:**

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

Upon reclamation of the pit the operator will utilize the same seed mix approved for the NBU 165. Operator shall call the BLM for the seed mixture when final reclamation occurs.



**11. Surface and Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435)781-4400

**13. Other Information:**

A Class III archaeological survey, T&E Clearance and a paleontological survey have been performed and will be sent to the BLM with a form letter

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**13. Lessee's or Operator's Representative & Certification:**

Raleen White  
Sr. Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO  
(720) 929-6666

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

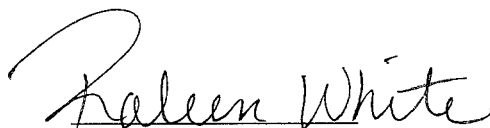
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Raleen White

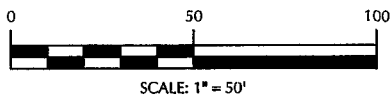
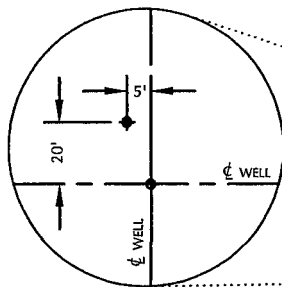
6/13/2008

Date

**Kerr-McGee Oil & Gas Onshore, LP**  
**NBU #1022-06FT**  
**SECTION 6, T10S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION, GRADUALLY CHANGING TO NORTHWESTERLY APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-06FT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-06FT WELL LOCATION IS APPROXIMATELY 56.1 MILES.



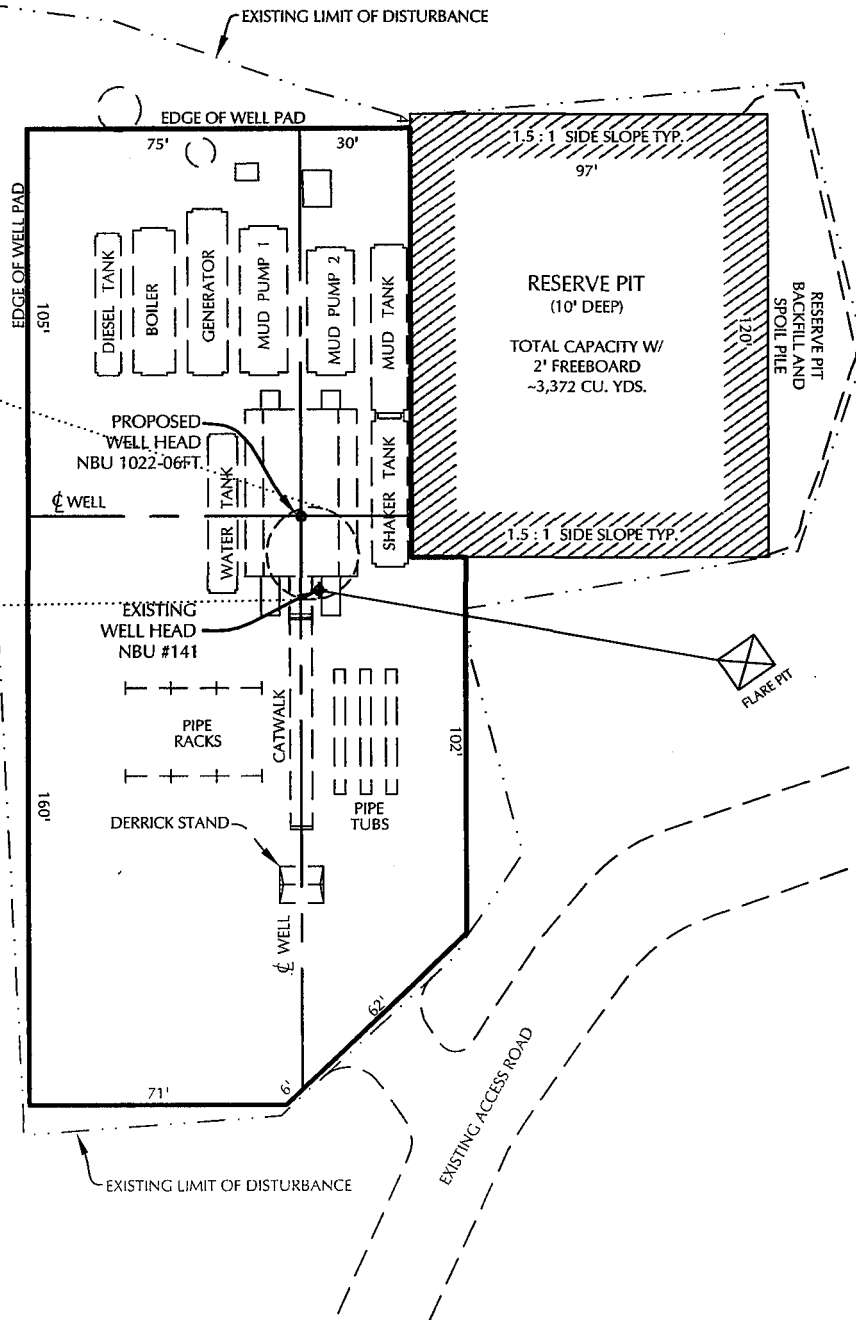
**KERR-MCGEE OIL & GAS  
ONSHORE, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-06FT  
LOCATION LAYOUT  
2,108' FNL - 1,669' FWL  
SE1/4NW1/4, SEC. 6, T.10S., R.22E.  
S.L.B. & M., UINTAH COUNTY, UTAH**



CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182



**NOTES:**

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238')
3. NBU 1022-06FT EXISTING GROUND ELEVATION = 5,082.8'

Scale: 1"=50'	Date: 6/6/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 7



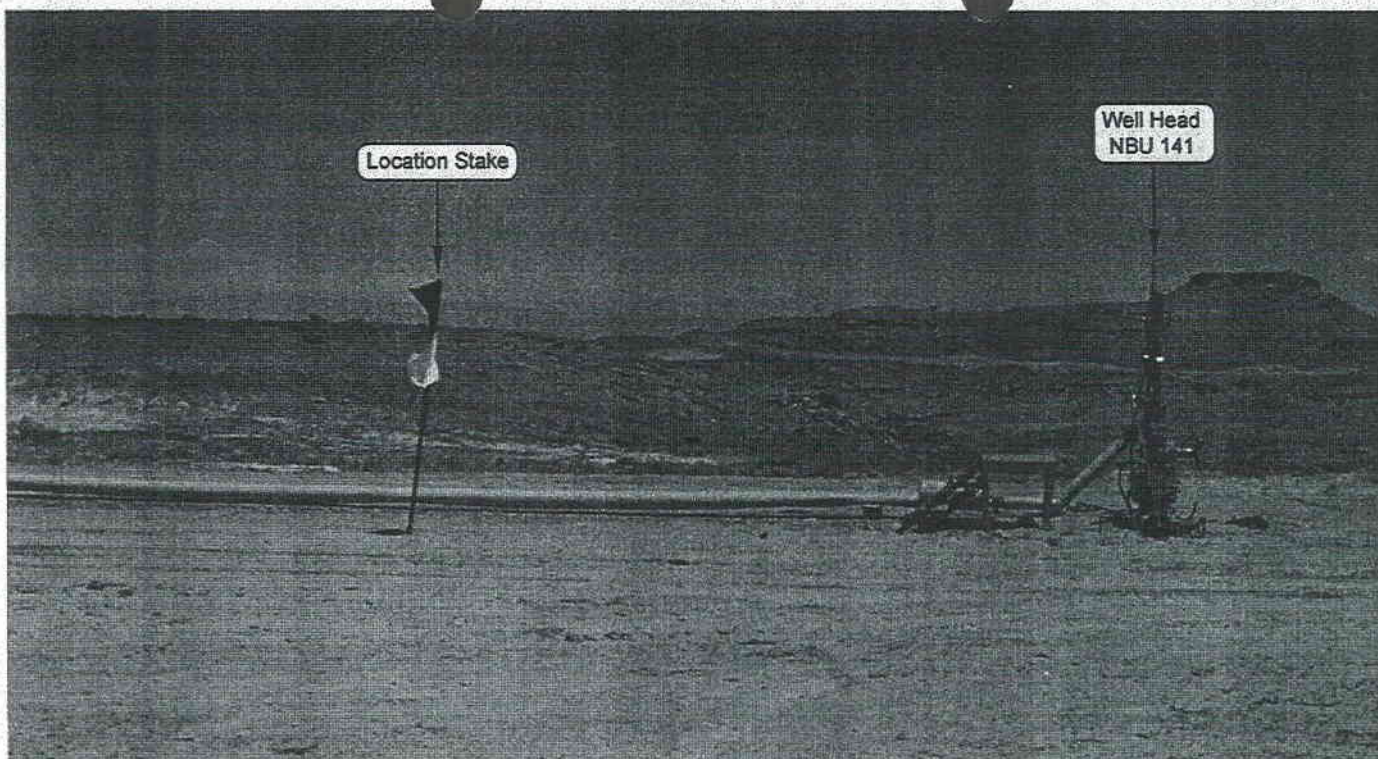


PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

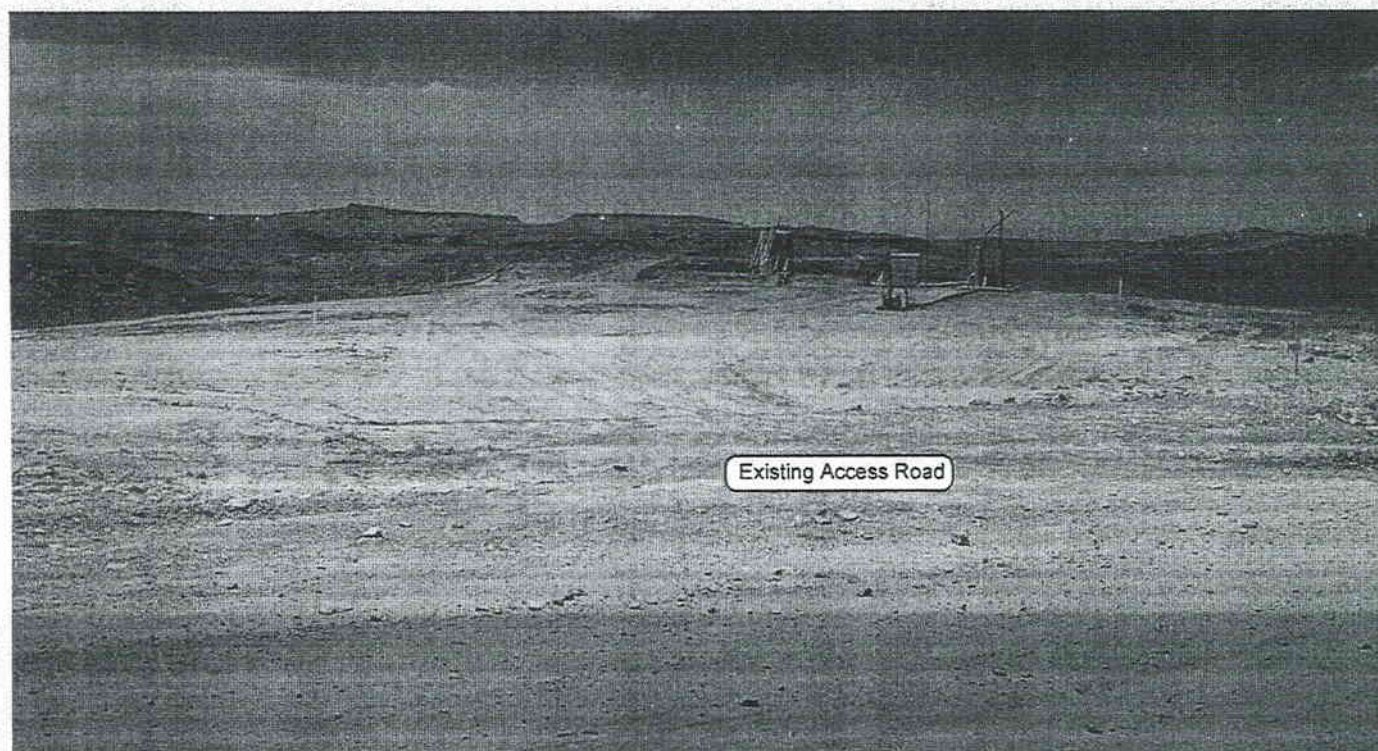


PHOTO VIEW: EXISTING ROAD

CAMERA ANGLE: WESTERLY

**Kerr-McGee  
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-06FT  
2108' FNL, 1669' FWL  
SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  OF SECTION 6, T10S, R22E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**LOCATION PHOTOS**

TAKEN BY: M.S.B.

DRAWN BY: M.W.W.

DATE TAKEN: 06-02-08

DATE DRAWN: 06-04-08

REVISED:

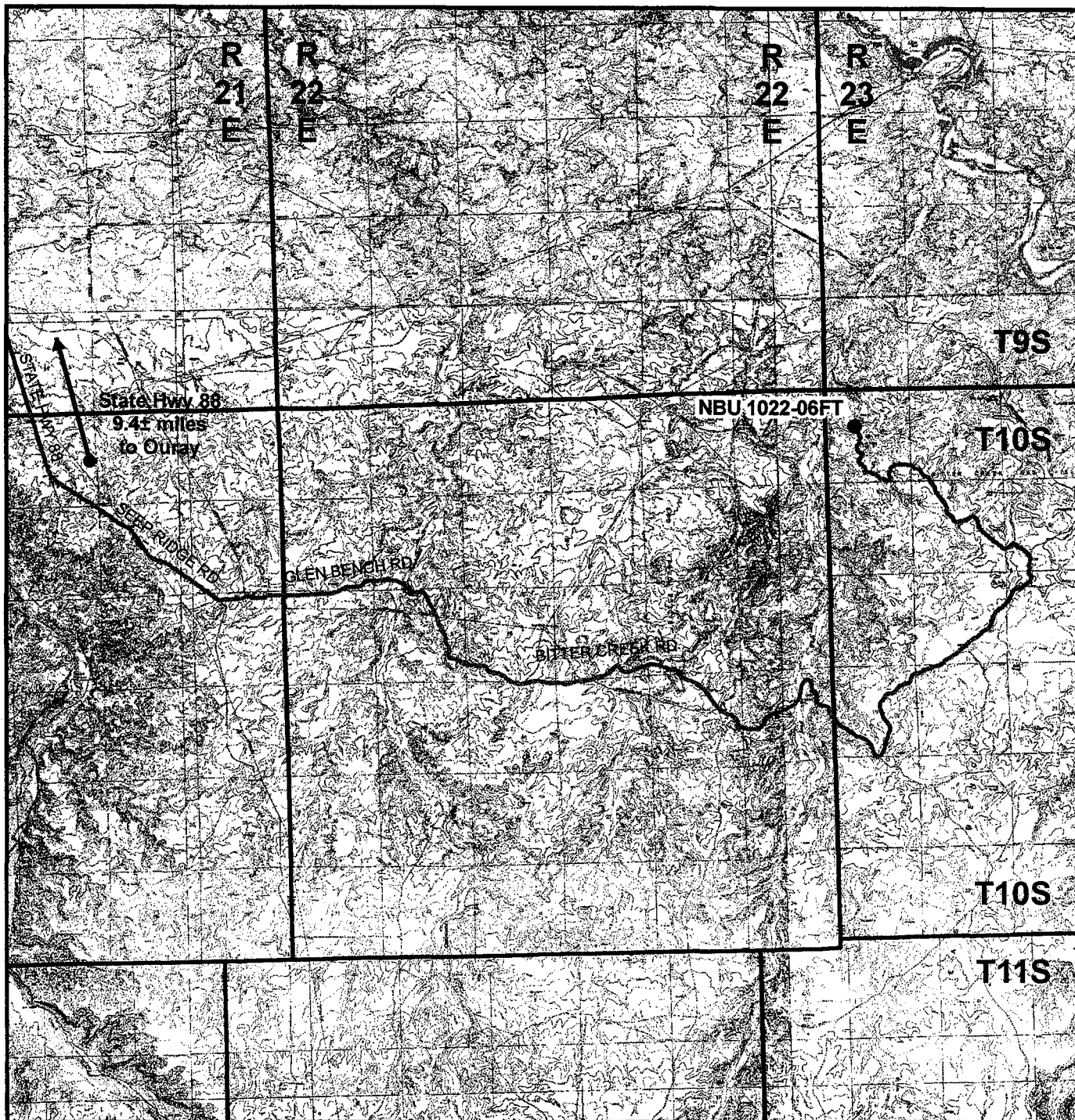
**Timberline**

Engineering & Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 789-1365

**SHEET  
4  
OF 7**





## Legend

- Proposed NBU 1022-06FT Well Location

— Existing Access Roads

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Suite 1200 - Denver, Colorado 80202

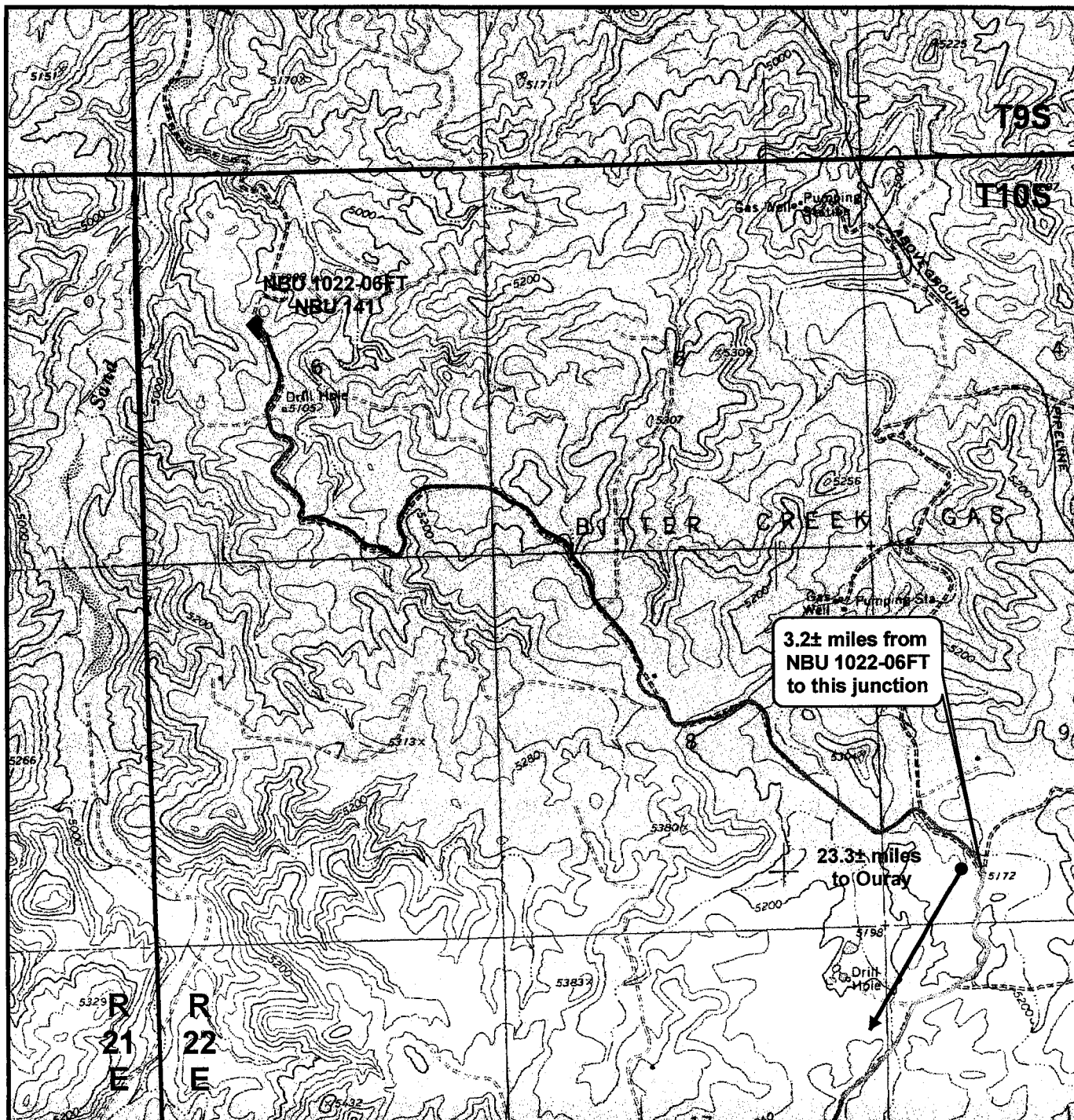
**NBU 1022-06FT**  
**Topo A**  
**2108' FNL, 1669' FWL**  
**SE¼ NW¼, Section 6, T10S, R22E**  
**S.L.B.&M., Uintah County, Utah**



**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan, WY 82801  
Phone (307) 673-0036  
Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 6 June 2008	<b>5</b>
Revised:	Date:	5 of 7



## Legend

- Proposed NBU 1022-06FT Well Location

— Existing Access Roads

**Kerr-McGee Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-06FT**

**Topo B**

**2108' FNL, 1669' FWL**

**SE¼ NW¼, Section 6, T10S, R22E**

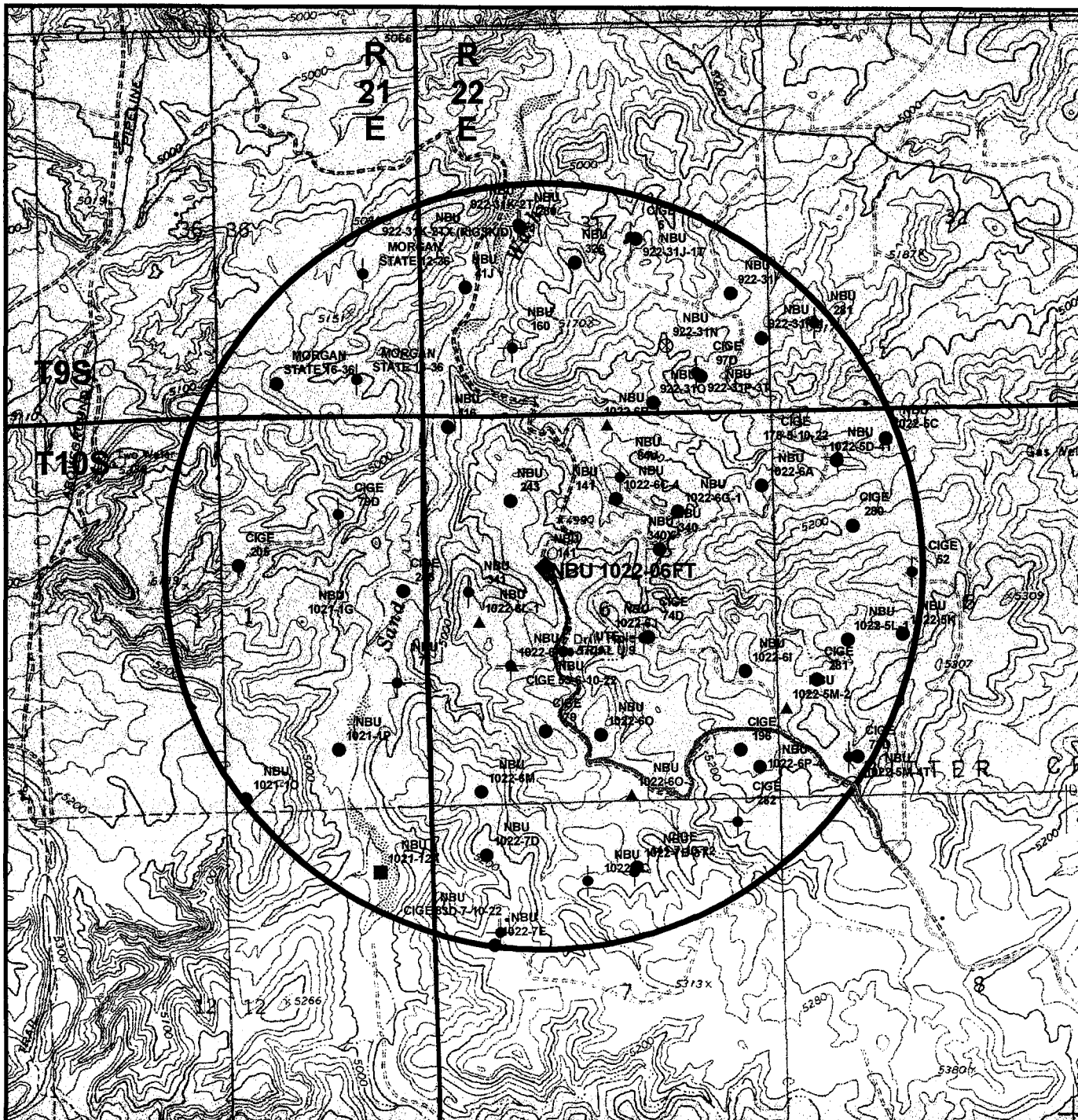
**S.L.B.&M., Uintah County, Utah**



**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan, WY 82801  
Phone (307) 673-0036  
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 6 June 2008	<b>6</b>
Revised:	Date:	6 of 7



## Legend

- Proposed NBU 1022-06FT Well Location

— Existing Access Roads

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-06FT**

**Topo C**

**2108' FNL, 1669' FWL**

**SE¼ NW¼, Section 6, T10S, R22E**  
**S.L.B.&M., Uintah County, Utah**



**CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan, WY 82801  
Phone (307) 673-0036  
Fax (307) 674-0182

- Producing
- Spudded (Drilling commenced; Not yet comple
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- ⊗ Location Abandoned
- ⊕ Plugged and Abandoned
- Shut-In
- ⊗ Returned APD (Unapproved)

Scale: 1" = 2000ft NAD83 USP Central Sheet No:

Drawn: JELo Date: 6 June 2008  
Revised: Date:

**7**

7 of 7



STIPULATIONS:



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

June 18, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-40146	NBU 922-29LT	Sec 29 T09S R22E 1978 FSL 0957 FWL
43-047-40147	NBU 922-32AT	Sec 32 T09S R22E 0457 FNL 0113 FEL
43-047-40148	NBU 922-32BT	Sec 32 T09S R22E 0701 FNL 2116 FEL
43-047-40149	NBU 1022-03FT	Sec 03 T10S R22E 2059 FNL 1825 FWL
43-047-40150	NBU 1022-03CT	Sec 03 T10S R22E 0715 FNL 1777 FWL
43-047-40151	NBU 1022-04HT	Sec 04 T10S R22E 2015 FNL 0566 FEL
43-047-40152	NBU 1022-04AT	Sec 04 T10S R22E 0544 FNL 1278 FEL
43-047-40153	NBU 1022-05JT	Sec 05 T10S R22E 2203 FSL 2319 FEL
43-047-40154	NBU 1022-05IT	Sec 05 T10S R22E 2288 FSL 0691 FEL
43-047-40155	NBU 1022-05BT	Sec 05 T10S R22E 1028 FNL 1886 FEL
43-047-40156	NBU 1022-06ET	Sec 06 T10S R22E 2475 FNL 0628 FWL
43-047-40157	NBU 1022-06FT	Sec 06 T10S R22E 2108 FNL 1669 FWL
43-047-40158	NBU 1022-06DT	Sec 06 T10S R22E 0162 FNL 0311 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 18, 2008

Kerr-McGee Oil & Gas Onshore LP  
P O Box 173779  
Denver, CO 80217-3779

Re: NBU 1022-06FT Well, 2108' FNL, 1669' FWL, SE NW, Sec. 6, T. 10 South, R. 22 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40157.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore LP  
Well Name & Number NBU 1022-06FT  
API Number: 43-047-40157  
Lease: UTU-0464

Location: SE NW                      Sec. 6              T. 10 South                      R. 22 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office      (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED  
VERNAL FIELD OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

2008 JUN 17 AM 10 02

DEPT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-0464		
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name		
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A		
3A. Address PO BOX 173779, DENVER, CO 80123		3b. Phone No. (include area code) (720) 929-6666		8. Lease Name and Well No. NBU 1022-06FT	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 2018' FNL, 1669' FWL At proposed prod. Zone			9. API Well No. 43 042 40157		
14. Distance in miles and direction from nearest town or post office* 26 +/- MILES SOUTH EAST OF OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1669'			11. Sec., T., R., M., or Blk. and Survey or Area SEC 6-T10S-R22E		
16. No. of Acres in lease 206.97		17. Spacing Unit dedicated to this well 40			
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 9100		20. BLM/BIA Bond No. on file WYB-000291	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5083 GR		22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Raleen White</i>	Name (Printed/Typed) RALEEN WHITE	Date 6/13/2008
--------------------------------------	--------------------------------------	-------------------

Title

SR. REGULATORY ANALYST

Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) JERRY KERRICK	Date NOV 19 2008
---	---------------------------------------	---------------------

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOS APD posted 6/25/08  
AFMSS# 08SKS 0155A

NOTICE OF APPROVAL

RECEIVED  
NOV 24 2008

DIV. OF OIL, GAS & MINING

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr McGee Oil & Gas Onshore, LP  
Well No: NBU 1022-06FT  
API No: 43-047-40157

Location: SENW, Sec.6, T10S, R22E  
Lease No: UTU-464  
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

***SITE SPECIFIC COAs:***

Golden Eagle - January 1 through August 31

No drilling or construction during the above indicated dates unless nest is not active.

Per recommendation of the BLM authorized agent.



## ***DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)***

### **SITE SPECIFIC DOWNHOLE COAs:**

- A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.
- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU464
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 173779 DENVER, CO 80123		7. If Unit or CA/Agreement, Name and/or No. 891008900A
3b. Phone No. (include area code) Ph: 720-929-6007 Fx: 720-929-7007		8. Well Name and No. NBU 1022-06FT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T10S R22E SENW 2108FNL 1669FWL 39.97955 N Lat, 109.48382 W Lon		9. API Well No. 43-047-40157
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a change to the surface location of this well to accomodate the new drilling rigs.

The surface location is changing  
FROM: 2108' FNL 1669' FWL  
TO: 2138' FNL 1695' FWL

629474X 39.979462  
44263694 -109.483721

Please see the attached revised survey plats and interference diagram reflecting this change in surface location. All other information remains the same, including the amount of disturbance.

If you have any questions, please contact the undersigned. Thank you.

**COPY SENT TO OPERATOR**

Date: 4-14-2009  
Initials: KS

**Federal Approval of this  
Action Is Necessary**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #68699 verified by the BLM Well Information System For KERR-MCGEE OIL&amp;GAS ONSHORE LP, sent to the Vernal</b>	
Name (Printed/Typed) KATHY SCHNEEBECK DULNOAN	Title STAFF REGULATORY ANALYST
Signature <i>Kathy Schnebeck Dulnoan</i> (Electronic Submission)	Date 04/05/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>[Signature]</i>	Title <b>BRADLEY G. HILL</b>	Date <u>04-09-09</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office <b>ENVIRONMENTAL MANAGER</b>		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED APR 09 2009**

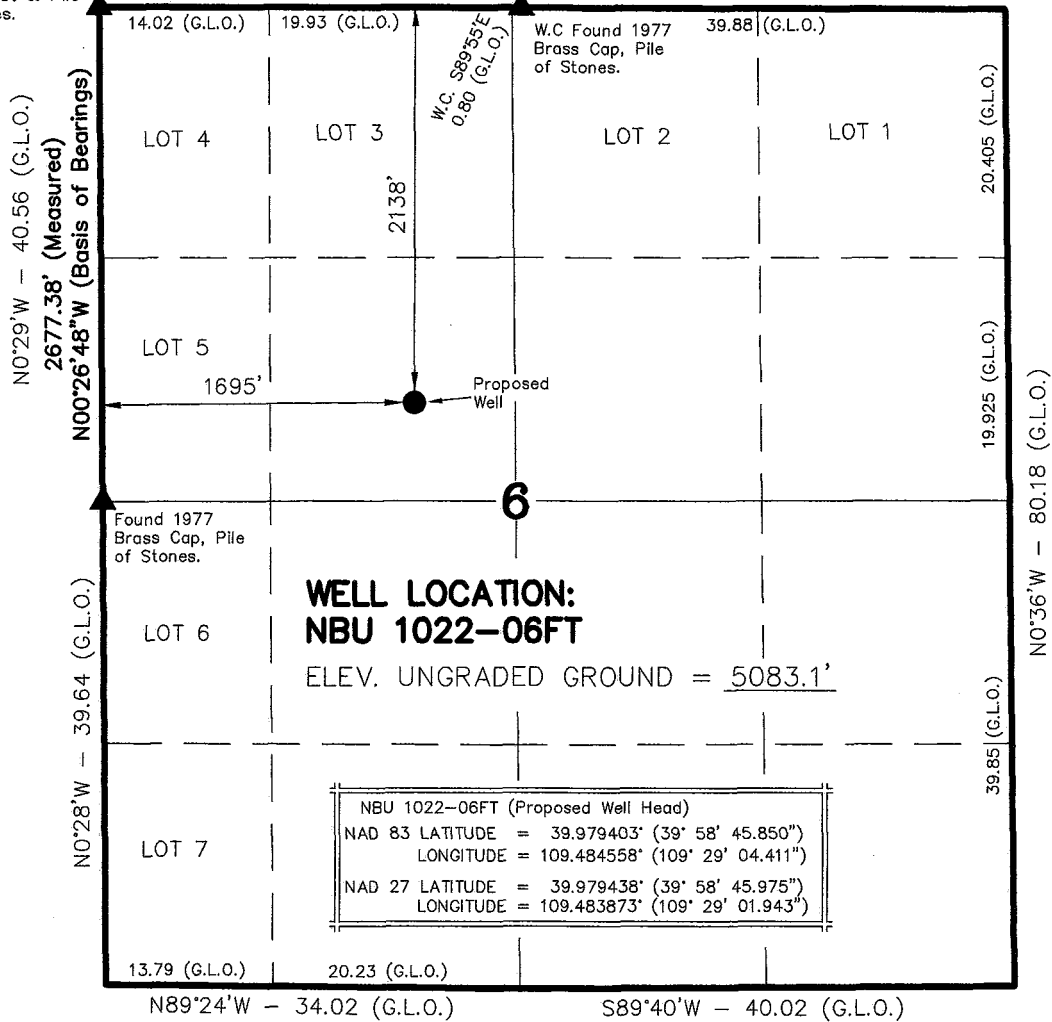
**DIV. OF OIL, GAS & MINING**

# T10S, R22E, S.L.B.&M.

Found 1977 Brass  
Cap, Set Stone,  
Steel Post & Pile  
of Stones.

S89°55'E - 73.83 (G.L.O.)

S89°52'05"E - 2293.43' (Meas.)



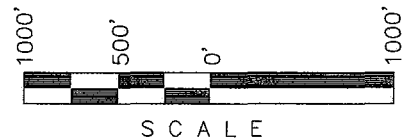
## NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**Kerr-McGee**  
**Oil & Gas Onshore, LP**  
1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-06FT  
WELL PLAT**  
**2138' FNL, 1695' FWL**  
**SE ¼ NW ¼ OF SECTION 6, T10S, R22E,**  
**S.L.B.&M. UINTAH COUNTY, UTAH.**

CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182



## SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A LAND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 362251  
KOLBY R. KAY  
REGISTERED LAND SURVEYOR  
STATE OF UTAH

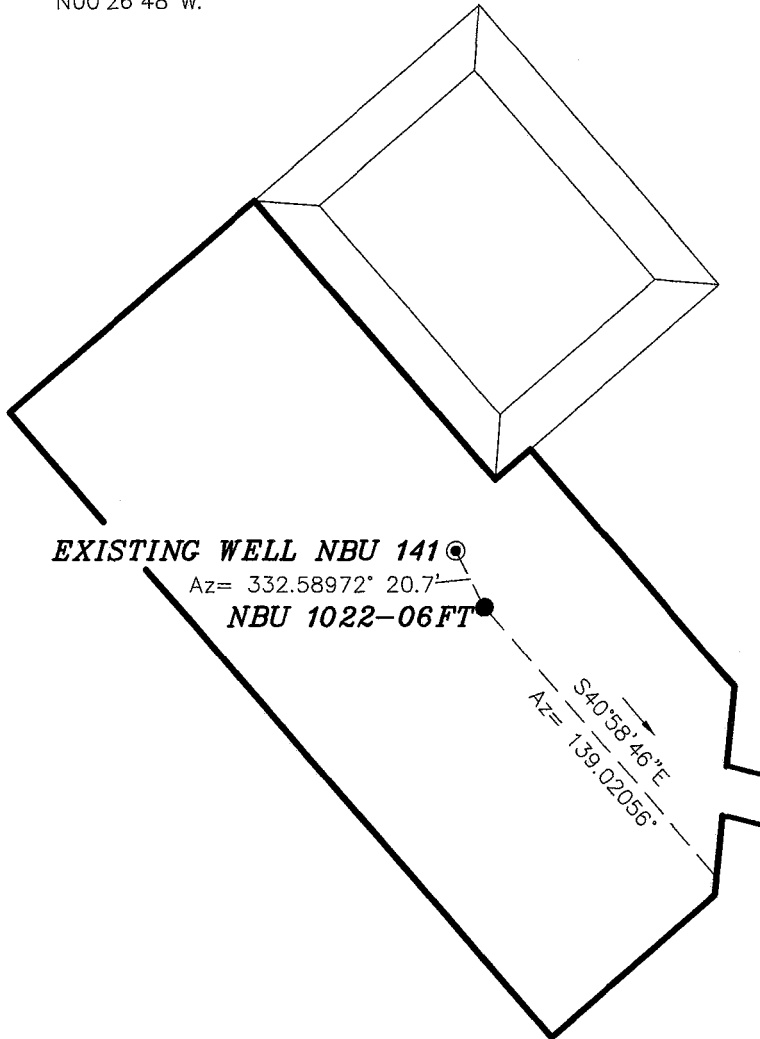
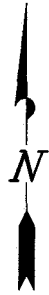
**TIMBERLINE** (435) 789-1365  
**ENGINEERING & LAND SURVEYING, INC.**  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 06-02-08	SURVEYED BY: M.S.B.	<b>SHEET</b>  <b>2</b>  <b>OF 7</b>
DATE DRAWN: 06-04-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 03-20-09	

# WELL PAD INTERFERENCE PLAT

NBU 1022-06FT

BASIS OF BEARINGS IS THE WEST  
LINE OF THE NW 1/4 OF SECTION  
6, T10S, R22E, S.L.B.&M. WHICH IS  
TAKEN FROM GLOBAL POSITIONING  
SATELLITE OBSERVATIONS TO BEAR  
N00°26'48"W.



## SURFACE FOOTAGES:

NBU 1022-06FT  
2138' FNL & 1695' FWL

NBU 141 (Existing Well Head)  
2119' FNL & 1686' FWL

EXISTING WELL NBU 141

Az= 332.58972° 20.7'

NBU 1022-06FT

S40°58'46"E  
Az= 139.02056°

## LATITUDE & LONGITUDE

Surface Position - (NAD 83)

WELL	N. LATITUDE	W. LONGITUDE
1022-06FT	39°58'45.850" 39.979403°	109°29'04.411" 109.484558°
Existing Well NBU 141	39°58'46.030" 39.979453°	109°29'04.532" 109.484592°

## LATITUDE & LONGITUDE

Surface Position - (NAD 27)

WELL	N. LATITUDE	W. LONGITUDE
1022-06FT	39°58'45.975" 39.979438°	109°29'01.943" 109.483873°
Existing Well NBU 141	39°58'46.156" 39.979488°	109°29'02.065" 109.483907°



**Kerr-McGee**  
**Oil & Gas Onshore, LP**

1099 18th Street - Denver, Colorado 80202

NBU 1022-06FT  
LOCATED IN SECTION 6, T10S, R22E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



CONSULTING, LLC  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

DATE SURVEYED: 06-02-08

SURVEYED BY: M.S.B.

DATE DRAWN: 11-18-08

DRAWN BY: M.W.W.

REVISED: 03-20-09

**Timberline**

(435) 789-1365

Engineering & Land Surveying, Inc.

209 NORTH 300 WEST VERNAL, UTAH 84078

SHEET  
2b  
OF 7

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000			
<b>PHONE NUMBER:</b> 720 929-6587 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/12/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: _____       </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.					
<div style="text-align: right;"> <b>Approved by the Utah Division of Oil, Gas and Mining</b> </div>		<b>Date:</b> June 10, 2009			
<div style="text-align: right;"> <b>By:</b> </div>					
<b>NAME (PLEASE PRINT)</b> Danielle Piernot		<b>PHONE NUMBER</b> 720 929-6156			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst			
		<b>DATE</b> 6/9/2009			





## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047401570000

**API:** 43047401570000

**Well Name:** NBU 1022-06FT

**Location:** 2138 FNL 1695 FWL QTR SENW SEC 06 TWP 100S RNG 220E MER S

**Company Permit Issued to:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

**Date Original Permit Issued:** 6/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Danielle Piernot

**Date:** 6/9/2009

**Title:** Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

**Date:** June 10, 2009

**By:** 

**RECEIVED** June 09, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input checked="" type="checkbox"/> <b>SPUD REPORT</b> Date of Spud: 8/7/2009	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
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	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 08/07/2009 AT 09:00 HRS.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> August 10, 2009		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/10/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 8/12/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
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	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> MIRU PROPETRO AIR RIG ON 08/08/2009. DRILLED 12-1/4" SURFACE HOLE TO 2140'. RAN 9-5/8" 36# J-55 SURFACE CASING. CMT TAIL W/350 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD, 5 GAL MIX, DISPLACE 159 BBLS. BUMP PLUG, FLOAT HELD. TOP OUT W/325 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD (2 TOP JOBS). R/D CEMENTERS. WORT.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> August 13, 2009		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/13/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
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<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 11/2/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
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	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
FINISHED DRILLING FROM 2140' TO 9225' ON 10/31/2009. RAN 4-1/2"		
11.6# I-80 SURFACE CSG. TEST LINES TO 5000, PUMP 40 BBLS F/W		
SPACER. LEAD CMT W/466 SX CLASS G PREM LITE @ 11.8 PPG, 2.42 YIELD		
TAILED CMT W/1260 SX CLASS 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD		
DROPPED PLUG & DISPLACE W/142.5 BBLS CLAYTREAT WATER, BUMP PLUG		
@ 3072 PSI, 591 PSI OVER FINAL LIFT PSI OF 2481. FULL TO PARTIAL		
RETURNS. 10 BBLS SPACER TO RESERVE PIT. PLUG DOWN @ 9175, 1.5		
BBLS BACK TO TRUCK. N/D BOP, CLEAN PITS. RELEASE PIONEER 69 RIG ON		
11/2/2009 AT 00:00 HRS.		
<b>NAME (PLEASE PRINT)</b> Andy Lytle		<b>PHONE NUMBER</b> 720 929-6100
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst
<b>DATE</b> 11/2/2009		<b>FOR RECORD ONLY</b> November 02, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 12/5/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 12/5/2009 AT 2:00 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> December 07, 2009		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/7/2009	

# US ROCKIES REGION

## Operation Summary Report

Well: NBU 1022-6FT			Spud Conductor: 8/7/2009			Spud Date: 8/8/2009		
Project: UTAH-UINTAH			Site: NBU 141 PAD			Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 4/22/2009			End Date: 11/1/2009		
Active Datum: RKB @5,101.00ft (above Mean Sea Level)			UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/8/2009	10:00 - 0:00	14.00	DRLSUR	02	A	P		HAMMER DRILL F/40 TO 810,NO WATER
8/9/2009	0:00 - 11:00	11.00	DRLSUR	02	A	P		DRILL F/810' TO 1230,SURVEY1200=2 DEG 59.08 AZI 15.8 CENTERS SF3.05
	11:00 - 17:00	6.00	DRLSUR	06	A	P		POOH,P/U TRICONE BIT
	17:00 - 0:00	7.00	DRLSUR	02	A	P		DA F/1230 TO 1430
8/10/2009	0:00 - 13:00	13.00	DRLSUR	02	A	P		DA F/1430 TO 1680'
	13:00 - 19:00	6.00	DRLSUR	08	A	Z		REPAIR HYDRALIC PUMP
	19:00 - 0:00	5.00	DRLSUR	02	A	P		DA F/1680 TO 1740' ,MIDNITE DEPTH
8/11/2009	0:00 - 23:00	23.00	DRLSUR	02	A	P		DA F/1740 TO 1980',W/TRICONE
8/12/2009	0:00 - 3:00	3.00	DRLSUR	02	A	P		DA F/1980 TO 2140',SURVEY@2020=1.1D 125AZI 26' CENTERS SF 2.59
	3:00 - 4:00	1.00	DRLSUR	05	C	P		CIRC TO LDDP & RUN CSG
	4:00 - 6:00	2.00	DRLSUR	06	A	P		LDDP & BHA
	6:00 - 10:00	4.00	CSG	12		P		RUN 48 JTS #36 9.625 TO 2111'
	10:00 - 11:00	1.00	CSG	05	D	X		WASHED 20' TO BOTTOM
	11:00 - 16:00	5.00	CSG	12		P		CEMENT W/PROPETRO
	16:00 - 0:00	8.00	SUSPEN	21	D	P		WORT
10/23/2009	21:00 - 0:00	3.00	PROD	01	E	P		RIG DOWN
10/24/2009	0:00 - 7:00	7.00	DRLPRO	01	E	P		RDRT
	7:00 - 17:00	10.00	DRLPRO	01	A	P		MOVE RIG,RAISE DERRICK,SCOPE SUB & DERRICK. WESTROCK RELEASED @ 1700. 5BED,3 HAUL, 2 FORKLIFTS, 1 PUSHER, 2 SWAMPERS. J&C RELEASED @ 1700 1 OPERATOR, 2 SWAMPERS
	17:00 - 0:00	7.00	DRLPRO	01	B	P		RURT
10/25/2009	0:00 - 7:00	7.00	DRLPRO	14	A	P		NU BOP
	7:00 - 14:00	7.00	DRLPRO	15	A	P		SAFETY MEETING. RIG UP B&C QUICKTEST. TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES F/ 250 LOW TO 5000 HIGH. TEST HYDRILL F/ 250 LOW TO 2500 HIGH. TEST CSG TO 1500 PSI & HOLD 30 MIN. HAD PROBLEMS W/ TESTING TRUCK HAD TO REPLACE W/ ANOTHER TRUCK.
	14:00 - 17:00	3.00	DRLPRO	06	A	P		SAFETY MEETING. RIG UP KIMZEY & PICK UP BHA,MWD TOOLS & 47 JTS DP TO 2011'
	17:00 - 18:30	1.50	DRLPRO	09	A	P		SLIP & CUT DRLG LINE
	18:30 - 19:30	1.00	DRLPRO	07	A	P		RIG SERV & PRESPUD RIG INSPECTION
	19:30 - 20:30	1.00	DRLPRO	02	F	P		DRILL FLOAT EQUIPMENT. CMT TOP 2024'. FLOAT 2080', SHOE 2123' ROTARY SPUD @ 20:30 10/25/2009
	20:30 - 0:00	3.50	DRLPRO	02	D	P		DRILL SLIDE & SURVEY F/ 2154'-2389' 235' @ 67.1 FPH, WOB 20, RPM 55, MRPM 98, SPM 125, GPM 473, PU/SO/ROT 98/78/89, ON/OFF PSI 1339/1148, DIFF 191SWEEPING HOLE
10/26/2009	0:00 - 0:00	24.00	DRLPRO	02	D	P		DRILL SLIDE & SURVEY 2389'-5152' 2763' @ 115 FPH, RPM 50, MRPM 98, SPM 125, GPM 473, PU/SO/ROT 140/115/132 ON/OFF 1550/1280, DIFF PSI 270. SWEEPING HOLE
10/27/2009	0:00 - 13:30	13.50	DRLPRO	02	D	P		DRILL 5152'- 6228' 1076' @ 79.7 FPH
	13:30 - 14:30	1.00	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 22:00	7.50	DRLPRO	02	D	P		DRILL 6228' - 6733' 505' @ 67.3 FPH

RECEIVED December 07, 2009

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT		Spud Conductor: 8/7/2009		Spud Date: 8/8/2009	
Project: UTAH-UINTAH		Site: NBU 141 PAD		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 4/22/2009		End Date: 11/1/2009	
Active Datum: RKB @5,101.00ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/28/2009	22:00 - 23:00	1.00	DRLPRO	05	B	P		TOOK GAS KICK @ 6733' TRANSFERED MUD F/ UPRIGHTS TO KILL GAS W/ 9.9 MW. 30'-40' FLARE THRU BUSTER.5205 UNITS GAS THRU BUSTER.
	23:00 - 0:00	1.00	DRLPRO	02	D	P		DRILL 6733' - 6749' 16' @ 16 FPH
	0:00 - 1:00	1.00	DRLPRO	05	A	X		LOST RETURNS ON & OFF, BYPASS SHAKERS & RAISE LCM TO 8%
	1:00 - 8:00	7.00	DRLPRO	02	D	P		DRILL 6749'-6971' 222' @ 31.7 FPH
	8:00 - 9:00	1.00	DRLPRO	05	C	P		CIRC F/ BIT TRIP
	9:00 - 14:00	5.00	DRLPRO	06	A	P		TOOH, CHANGE OUT BITS, TIH TO SHOE 2100,
	14:00 - 15:00	1.00	DRLPRO	05	A	X		FILL PIPE W/ NO RETURNS, MIX LCM & BUILD VOLUME, 50% RETURNS, LOST @ 100 BBLS BEFORE RETURNS, 15% LCM
	15:00 - 15:30	0.50	DRLPRO	06	A	P		TIH TO 3500'
	15:30 - 16:30	1.00	DRLPRO	05	A	X		BUILD VOLUME & LCM, LOST @ 50 BBLS BEFORE RETURNS, 15% LCM
	16:30 - 17:30	1.00	DRLPRO	06	A	P		TIH TO 5000'
	17:30 - 18:00	0.50	DRLPRO	05	A	X		BIULD VOLUME & LCM, LOST @ 50 BBLS, 15% LCM
	18:00 - 19:00	1.00	DRLPRO	06	A	P		TIH, WASH 60' TO BOTTOM, 10' FILL
	19:00 - 19:30	0.50	DRLPRO	03	D	P		WASH & REAM 60' TO BOTTOM 10' FILL
	19:30 - 0:00	4.50	DRLPRO	02	B	P		DRLG F/ 6971 TO 7175' MW 10.3, VIS 42, LCM 20%
10/29/2009	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG F/ 7175 TO 7871' 696' @ 43.5' PH, MW 10.7, VIS 42, LCM 20%, WOB 18-20, RPM 50, MM 87, SPM 110, GPM 416, P/U S/O ROT 170-150-163, ON/OFF 2100-1900, DIFF 150-350
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 7871 TO 8156', 285' @ 38' PH, MW 11.2, VIS 42, LCM 20%, WOB 20-22, RPM 50, MM 87, SPM 110, GPM 416, PU/SO/ROT 175-150-167, ON/OFF 2350-2100, DIFF 150-250
	0:00 - 10:00	10.00	DRLPRO	02	B	P		DRLG F/ 8156 TO 8437', 281' @ 28.1' PH
	10:00 - 12:00	2.00	DRLPRO	05	B	P		CIRC & RAISE MW TO KILL GAS F/ TRIP
	12:00 - 20:00	8.00	DRLPRO	06	A	P		TFNB, L/D DIR TOOLS,MM,BIT, P/U BIT #3,MM TIH FILL @ SHOE, 5000'
10/30/2009	20:00 - 21:00	1.00	DRLPRO	03	D	P		FILL PIPE, WASH & REAM 100' TO BOTTOM TO MAKE UP F/ DIR TOOLS
	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRLG F/ 8437 TO 8523', 86' @ 28.6' PH, MW 11.5, VIS 42, LCM 25, WOB 20, RPM 50, MM 73, SPM 120, GPM 454, PU/SO/ROT 175 B150 167, ON/OFF 2350 2100, DIFF 150-300
	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG F/ 8523 TO 9042', 519' @ 32.4' PH, MW 11.7, VIS 42, LCM 25%,
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 9042 TO 9225' TD WELL @ 23:59 10/31/09, MW 11.8, VIS 42, LCM 25%
	0:00 - 1:00	2.00	DRLPRO	05	C	P		CIRC HOLE CLEAN
11/1/2009	1:00 - 8:00	7.00	DRLPRO	06	A	P		HPJSM W/ RIG & L/D CREW, R/U & LDDS, BREAK KELLY, PULL ROT RUBBER, L/D BHA, PULL WEAR BUSHING
	8:00 - 14:30	6.50	DRLPRO	12	C	P		HPJSM W/ RIG & CASING CREWS, R/U & RUN 9219' 4.5" I-80 BTC PROD CASING, TAG BOTTOM L/D TAG JT, P/U LANDING JT, R/D CASING CREW
	14:30 - 16:00	1.50	DRLPRO	05	D	P		CIRC OUT GAS

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**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT		Spud Conductor: 8/7/2009	Spud Date: 8/8/2009
Project: UTAH-UINTAH	Site: NBU 141 PAD		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 4/22/2009	End Date: 11/1/2009	
Active Datum: RKB @5,101.00ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:00 - 20:00	4.00	DRLPRO	12	E	P		HPJSM W/ RIG & CEMENT CREWS, R/U & PSI TEST LINES TO 5000, PUMP 40 BBLS F/W SPACER, LEAD 466 SXS 11.8 PPG 2.42 YLD, TAIL 1260 SXS 14.3 PPG 1.31 YLD, DROPPED PLUG & DISPLACE W/ 142.5 BBLS CLAYTREAT WATER, BUMP PLUG @ 3072 PSI, 591 PSI OVER FINAL LIFT PSI OF 2481, FULL TO PARTIAL RETURNS, 10 BBLS SPACER TO RESERVE PIT, PLUG DOWN @ 9175, 1.5 BBLS BACK TO TRUCK
	20:00 - 0:00	4.00	DRLPRO	14	A	P		N/D BOP, CLEAM PITS RELEASE RIG @ 00:00 11/2/09 TO NBU 1022-6FT

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# US ROCKIES REGION

## Operation Summary Report

Well: NBU 1022-6FT	Spud Conductor: 8/7/2009	Spud Date: 8/8/2009
Project: UTAH-UINTAH	Site: NBU 141 PAD	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 11/23/2009	End Date: 12/3/2009
Active Datum: RKB @5,101.00ft (above Mean Sea Level)	UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/23/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY 1
	7:15 - 10:00	2.75	COMP	30	A	P		ROAD RIG FROM NBU 1022-3CT TO LOC, MIRU, N/D WH, N/U BOPS, R/U TBG EQUIP.
	10:00 - 16:30	6.50	COMP	31	I	P		P/U 3 7/8" BIT, TIH W/ 2 3/8" J-55 TBG W/ TALLY TBG AND P/U OFF TRAILER, RIH TAG @ 9170', HOOK UP PUMP CIRC WELL WGETTING SOME DRILLING MUD OUT, P/O LAY DN 20 JTS ON TRAILER, SHUT WELL IN SDFN.
11/24/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2
	7:15 - 15:00	7.75	COMP	31	I	P		P/O NLAYED DN 64 JTS ON TRAILER, TOOH W/ STANDING TBG IN DERRICK, N/D BOPS, N/U FRAC VALVE, R/U B& C QUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 7000#, OK, RIH W/ 1 STAND DISSPLACE WRE OUT, FILL CSG AND FRAC VALVE W/ MENTHOL, SHUT WELL IN SDF THANKGIVING.
11/30/2009	6:30 - 7:00	0.50	COMP	48		P		JSA-SAFETY MEETING #3 W/ FRAC PERF AND RIG CREWS, DAY 3
	7:00 - 9:00	2.00	COMP	36	E	P		( STG #1 ) MIRU CASED HOLE WIRELINE, RIH W PERF GUNS, PERF THE MESAVERDE @ 9081'- 9084', 9034'- 9036', 9014'- 9017', 8908'- 8910', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 620 #, R/U SUPERIOR FRAC, PT SURFACE LINES TO 8000#, BRK DN PERF @ 3610 # @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 5000 #, ISIP = 2496 #, F.G.= 0.71 , PUMP 3 BBLs 15% HCL AHEAD OF INJ, CALC ALL PERF OPEN, PUMP 1202 BBLs SLK WTR & 42344 # OTTAWA SAND, ISIP = 2805 #, F.G.= 0.75 , NPI = 309 , MP = 6240 #, MR = 50.4 B/M, AP = 4628 #, AR = 49.7 B/M, 37344 # 30/50 OTTAWA SD, 5000 # TLC SD, 130 GALS CLAYTREAT, 31 GALS FRW, 167 GALS NALCO SCALE INHIB, 13 GALS NALCO BIOCID,
								COMMENTS = GOOD JOB
	9:00 - 10:30	1.50	COMP	46	E	S		WIRELINE TRUCK GENERATOR BROKE DN, WAIT ON TRUCK,
	10:30 - 12:00	1.50	COMP	37	B	P		( PERF STG #2 ) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 8785', PERF THE MESAVERDE @ 8751'- 8755' 4-SPF, 8740'- 8742', 8717'- 8719', 8672'- 8674', 8638'- 8640', 3-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES,
								COMMENTS = MISS RUN ON TOP 3 PERF, SHORT ON PERF GUNS,
	12:00 - 14:45	2.75	COMP	46	A	S		WAIT ON ORDERS FROM DENVER ON SCALE INHIB.

RECEIVED December 07, 2009

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT		Spud Conductor: 8/7/2009		Spud Date: 8/8/2009	
Project: UTAH-UINTAH		Site: NBU 141 PAD		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 11/23/2009		End Date: 12/3/2009	
Active Datum: RKB @5,101.00ft (above Mean Sea Level)			UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:45 - 15:15	0.50	COMP	36	E	P		( FRAC STG #2 ) WHP = 800 #, BRK DN PERF @ 3058 # @ 3.5 B/M, INJ-RT = 49 B/M, INJ-P = 5400 #, ISIP = 2371, F.G.= 0.71, CALC ALL PERF OPEN, PUMP 868 BBLS SLK WRE & 32408 # OTTAWA SAND, ISIP = 2990 #, F.G.= 0.78, NPI = 619, MP = 5989 #, MR =49.7 B/M, AP = 5485 #, AR = 49.4 B/M, 27408 # 30/50 OTTAWA SD, 5000 # TLC SD, 96 GALS CLAYTREAT, 22 GALS FRW, 106 GALS NALCO SCALE INHIB, 9 GALS NALCO BIOCID, COMMENTS = SCALE INHIB PUMP @ 1.3 gal / 1000 TILL FLUSH BACK TO 10 gal / 1000,
	15:15 - 17:30	2.25	COMP	36	E	P		( STG #3 ) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 8579', PERF THE MESAVERDE @ 8546'- 8549' 3-SPF, 8509'- 8510' 4-SPF, 8460'- 8463' 3-SPF, 8393'- 8396' 3-SPF, 8348'- 8350' 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 39 HOLES, WHP = 1505 #, BRK DN PERF @ 3085 # @ 4.56 B/M, INJ-RT = 50 B/M, INJ-P = 4800 #, ISIP = 2250 #, F.G.= 0.70 , CALC ALL PERF OPEN, PUMP 2283 BBLS SLK WTR & 91063 # OTTAWA SAND, ISIP = 2483 #, F.G.= 0.73 , NPI = 233 , MP = 6483 #, MR = 50.5 B/M, AP = 5571#, AR = 49.4 B/M, 86063 # 30/50 OTTAWA SD, 5000 # TLC SD, 258 GALS CLAYTREAT, 55 GALS FRW, 169 GALS NALCO SCALE INHIB, 25 GALS NALCO BIOCID, COMMENTS = GOOD JOB, PUMP SCALE INHIB @ 1.3 gal / 1000 gal
	17:30 - 19:00	1.50	COMP	36	E	P		( PERF STG #4 ) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 8265', PERF THE MESAVERDE @ 8233'- 8235' 4-SPF, 8192'- 8197' 4-SPF, 8143'- 8144' 3-SPF, 8086'- 8088' 3-SPF, 8018'- 8019' 3-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 40 HOLES, COMMENTS =
12/1/2009	6:30 - 6:45	0.25	COMP	48		P		JSA-SAFETY MEETING #4 W/ FRAC, PERF AND RIG CREW, DAY 4
	6:45 - 7:45	1.00	COMP	36	E	P		( STG #4 ) WHP = 1630#, BRK DN PERF @ 2770# @ 5 B/M, INJ-RT = 49 B/M, INJ-P= 4500#, ISIP = 2300#, F.G.= 0.72, CALC ALL PERF OPEN, PUMP 2143 BBLS SLK WTR & 84911# OTTAWA SAND, ISIP = 2357#, F.G.= 0.72, NPI = 57, MP = 5532#, MR = 50.5 B/M, AP = 5257#, AR = 48.7 B/M, 79911# 30/50 OTTAWA SD, 5000# TLC SD, 188 GALS CLAYTREAT, 47 GALS FRW, 172 GALS NALCO SCALE INHIB, 23 GALS NALCO BIOCID, COMMENTS = GOOD JOB,

**RECEIVED** December 07, 2009

# US ROCKIES REGION

## Operation Summary Report

Well: NBU 1022-6FT		Spud Conductor: 8/7/2009		Spud Date: 8/8/2009	
Project: UTAH-UINTAH		Site: NBU 141 PAD			Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 11/23/2009		End Date: 12/3/2009	
Active Datum: RKB @5,101.00ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:45 - 9:15	1.50	COMP	36	E	P		( STG #5 ) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 7966', PERF THE MESAVERDE @ 7934' - 7936', 7882'- 7884', 7814'- 7816', 7711'- 7714', 4-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 36 HOLES, WHP = 1228 #, BRK DN PERF @ 2526 # @ 5 B/M, INJ-RT = 49 B/M, INJ-P = 4000 #, ISIP = 1883 #, F.G.= 0.67, CALC ALL PERF OPEN, PUMP 641 BBLS SLK WTR & 22808 # OTTAWA SAND, ISIP = 2491 #, F.G. = 0.75 , NPI = 608 MP = 5572 #, MR = 49.8 B/M, AP = 4628 #, AR = 48.9 B/M, 17808 # 30/50 OTTAWA SD, 5000 # TLC SD, 54 GALS CLAYTREAT, 14 GALS FRW, GALS NALCO SCALE INHIB, 7 GALS NALCO BIOCID, COMMENTS = GOOD JOB
	9:15 - 10:45	1.50	COMP	36	E	P		( STG #6 ) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 7517', PERF THE MESAVERDE @ 7485'- 7487', 7411'- 7413', 7382'- 7384', 7358'- 7360', 7336'- 7338', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 90* PHS, 0.36 HOLE, 40 HOLES, WHP = 573 #, BRK DN PERF @ 2240 # @ 5 B/M, INJ-RT = 45 B/M, INJ-P = 4500 #, ISIP = 1640 #, F.G.= 0.65 , CALC ALL PERF OPEN, PUMP 924 BBLS SLK WTR & 36020 # OTTAWA SAND, ISIP = 2150 #, F.G.= 0.72 , NPI = 510 , MP = 5433 #, MR = 49.6 B/M, AP = 4485 #, AR = 45.5 B/M, 31020 # OTTAWA SD, 5000 #, TLC SD, 38 GALS CLAYTREAT, 14 GALS FRW, 114 GALS NALCO SCALE INHIB, 7 GALS NALCO BIOCID, COMMENTS = COMPUTER TROUBLE, LOST 1 1/2 PUMPS DROP RATE TO 38 B/M,
	10:45 - 12:45	2.00	COMP	36	E	P		( STG #7 ) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 7295', PERF THE MESAVERDE @ 7262'- 7265' 3-SPF, 7205'- 7207' 4-SPF, 7180'- 7182' 4-SPF, 7150'- 7152' 4-SPF, 7113'- 7116' 3-SPF, USING 3 3/8" EXP GUNS, 23 gm, 90* PHS, 0.36 HOLE, 42 HOLES, WHP = 465 #, BRK DN PERF @ 2608 # @ 5 B/M, INJ-RT = 49 B/M, INJ-P = 3900 #, ISIP = 1500 #, F.G.= 0.64, CALC ALL PERF OPEN, PUMP 1468 BBLS SLK WTR & 61085 # OTTAWA SAND, ISIP = 1828 #, F.G.= 0.69 , NPI = 328 MP = 4671 #, MR = 49.9 B/M, AP = 4000 #, AR = 49.2 B/M, 56085 # 30/50 OTTAWA SD, 5000 # TLC SD, 130 GALS CLAYTREAT, 32 GALS FRW, 135 GALS NALCO SCALE INHIB, 16 GALS NALCO BIOCID, COMMENTS = GOOD JOB

RECEIVED December 07, 2009

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT		Spud Conductor: 8/7/2009		Spud Date: 8/8/2009	
Project: UTAH-UINTAH		Site: NBU 141 PAD			Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 11/23/2009		End Date: 12/3/2009	
Active Datum: RKB @5,101.00ft (above Mean Sea Level)			UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00W/0/1,695.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:45 - 14:15	1.50	COMP	36	E	P		( STG #8 ) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 7046', PERF THE WASATCH @ 7012'- 7016' 4-SPF, 6882'- 6884' 4-SPF, 6822'- 6824' 4-SPF, 6786'- 6789' 3-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE 90* PHS, 41 HOLES, WHP = 334 #, BRK DN PERF @ 2671 # @ 5 B/M, INJ-RT = 49 B/M, INJ-P = 4100 #, ISIP = 913 #, F.G.= 0.56 , CALC ALL PERF OPEN, PUMP 963 BBLS SLK WTR & 45574 # OTTAWA SAND, ISIP = 2253 # F.G.= 0.76 , NPI = 1340 MP = 5788 #, MR = 49.8 B/M, AP = 3972 #, AR = 49.3 B/M, 40574 # 30/50 OTTAWA SD, 5000 # TLC SD, 85 GALS CLAYTREAT, 21 GALS FRW, 98 GALS NALCO SCALE INHIB, 10 GALS NALCO BIOCID, COMMENTS = GOOD JOB
	14:15 - 15:45	1.50	COMP	36	E	P		( STG #9 ) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 6456', PERF THE WASATCH @ 6422'- 6426' 4-SPF, 6296'- 6299' 3-SPF, 6161'- 6164' 4-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 37 HOLES, WHP = 170 #, BRK DN PERF @ 1002 # @ 5 B/M, INJ-RT = 49 B/M, INJ-P = 3971 #, ISIP = 480 #, F.G.= 0.51, CALC ALL PERF OPEN, PUMP 750 BBLS SLK WTR & 33898 # OTTAWA SAND, ISIP = 1933 #, F.G.= 0.76 , NPI = 1453 MP = 4653 #, MR = 49.7 B/M, AP = 3971 #, AR = 48.9 B/M, 28898 # 30/50 OTTAWA SD, 5000 # TLC SD, 68 GALS CLAYTREAT, 16 GALS FRW, 71 GALS NALCO SCALE INHIB, 8 GALS NALCO BIOCID, COMMENTS = GOOD JOB
	15:45 - 17:00	1.25	COMP	36	E	P		( STG # 10 ) RIH W HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 5810', PERF THE WASATCH @ 5776'- 5780', 5747'- 5750', 5694'- 5696', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 36 HOLES, WHP = 85 #, BRK DN PERF @ 1363 # @ 4.3 B/M, INJ-RT = 49 B/M, INJ-P = 3300 #, ISIP = 1097 #, F.G.= 0.62 , CALC ALL PERF OPEN, PUMP 688 BBLS SLK WTR & 30310 # OTTAWA SAND, ISIP = 1409 #, F.G.= 0.68 , NPI = 312 , MP = 3596 #, MR = 49.9 B/M, AP = 2992 #, AR = 49.2 B/M, 25310 # 30/50 OTTAWA SD, 5000 # TLC SD, 62 GALS CLAYTREAT, 15 GALS FRW, 32 GALS NALCO SCALE INHIB, 8 GALS NALCO BIOCID, COMMENTS = GOOD JOB
	17:00 - 19:00	2.00	COMP	34	I			( KILL PLUG ) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 5644', POOH R/D WIRELINE AND FRAC CREW, N/D FRAC VALVE, N/U BOPS, SWI, SDFN
								TOTAL FLUID = 12,431 BBLS SLK WTR, TOTAL SAND = 480421# TOTAL NALCO SCALE INHIB = 1118 GALS, TOTAL NALCO BIOCID = 126 GALS JSA-SASFETY MEETING #5, DAY 5
12/2/2009	7:00 - 7:15	0.25	COMP	48		P		P/U 3 7/8" MILL AND POBS, TIH W/ 2 3/8" TBG TO 5644', R/U POWER SWIVEL, TAG CBP @ 5644', ESTB. CIRC DN TBG OUT CSG.
	7:15 - 9:30	2.25	COMP	31	I	P		

**RECEIVED** December 07, 2009

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT	Spud Conductor: 8/7/2009	Spud Date: 8/8/2009
Project: UTAH-UINTAH	Site: NBU 141 PAD	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 11/23/2009	End Date: 12/3/2009
Active Datum: RKB @5,101.00ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:30 - 9:30	0.00	COMP	44	C	P		<p>( DRLG CBP #1 ) 5644', DRILL OUIT HALLIBURTON 8K CBP IN 10 MIN, 50# DIFF, RIH TAG SAND @ 5780', C/O 30' SAND, FCP = 50#,</p> <p>( DRLG CBP #2 ) 5810', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 25# DIFF, RIH TAG SAND @ 6426', C/O 30' SAND, FCP = 75#,</p> <p>( DRLG CBP #3 ) 6456', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 0# DIFF, RIH TAG SAND @ 7016', C/O 30' SAND, FCP = 75#,</p> <p>( DRLG CBP #4 ) 7046', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 100# DIFF, RIH TAG SAND @ 7235', C/O 60' SAND, FCP = 175 #,</p> <p>( DRLG CBP #5 ) 7295', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 50# DIFF, RIH TAG SAND @ 7467', C/O 50' SAND, FCP = 225#,</p> <p>( DRLG CBP #6 ) 7517', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 150# DIFF, RIH TAG SAND @ 7900', C/O 50' SAND, FCP = 275#,</p> <p>( DRLG CBP #7 ) 7966', DRILL OUT HALLIBURTON 8K CBP IN 30 MIN, 25# DIFF, RIH TAG SAND @ 8200', C/O 65' SAND, FCP = 300#,</p> <p>( DRLG CBP #8 ) 8265', DRILL OUT HALLIBURTON 8K CBP IN 30 MIN, 100# DIFF, RIH TAG SAND @ 8500', C/O @ 79' SAND, FCP = 400#,</p> <p>( DRLG CBP #9 ) 8579', DRILL OUT HALLIBURTON 8K CBP IN 30 MIN, 100# DIFF, RIH TAG SAND @ 8735', C/O @ 50' SAND, FCP = 450#,</p> <p>( DRLG CBP #10 ) 8785', DRILL OUT HALLIBURTON 8K CBP IN 30 MIN, 50# DIFF, RIH TAG SAND @ 9122', C/O 51' TO PBD 9173', FCP = 450#,</p> <p>CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN19 JTS ON TRAILER W TOTAL 23 JTS ON TRAILER, LAND TBG W/ HANGER W/ 275 JTS 2 3/8" J-55 TBG, EOT @ 8589.45', R/D TBG EQUIP, N/D BOPS, DROP BALL DN TBG, N/U WH, PUMP OFF BIT SUB @ 2100#, WAIT 30 MIN FOR BIT TO FALL TO BOTTOM, OPEN WELL TO PIT W/ 20/64 CHOKE, FTP = 850 #, SICP = 1800 #, TURN WELL OVER TO FLOW BACK CREW @ 8:00 P.M. W/ 9,406 BBLs WTR LTR, AVG 30 MIN / PLUG W/ AVG OF 50' SAND / PLUG, SHUT DN,</p> <p>298 JTS 2 3/8" J-55 TBG DELV. 275 JTS 2 3/8" J-55 TBG LANDED 21 JTS 2 3/8" J-55 TBG RETURNED 2 JTS 2 3/8" J-55 TBG BAD</p> <p>KB = 18.00' HANGER = .83' 275 JTS 2 3/8" J-55 TBG = 8568.42' 2 3/8" XN-NIPPLE 1.875 = 2.20'</p>

**RECEIVED** December 07, 2009

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT	Spud Conductor: 8/7/2009	Spud Date: 8/8/2009
Project: UTAH-UINTAH	Site: NBU 141 PAD	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 11/23/2009	End Date: 12/3/2009
Active Datum: RKB @5,101.00ft (above Mean Sea Level)		UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/3/2009	7:00 -			33	A			EOT = 8589.45' 7 AM FLBK REPORT: CP 2250#, TP 2150#, 20/64" CK, 85 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 4595 BBLS LEFT TO RECOVER: 8436
12/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2700#, TP 2175#, 20/64" CK, 55 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 6015 BBLS LEFT TO RECOVER: 7016
12/5/2009	14:00 -		PROD	50				WELL TURNED TO SALE @ 1400 HR ON 12/5/09 - FTP 1975#, CP 2950#, 0 MCFD, 50 BWPD, 20/64 CK

**RECEIVED** December 07, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000
<b>PHONE NUMBER:</b> 720 929-6515 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/21/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> <b>CASING REPAIR</b> <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
  
**Date:** 09/26/2011  
**By:**

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/21/2011	



**WORKORDER #:**

**Name:** NBU 1022-6FT  
**Surface Location:** SENW Sec. 6, T10S, R22E  
 Uintah County, UT

5/16/2011

**API:** 4304740157      **LEASE#:** UTU-464

**ELEVATIONS:** 5083' GL      5101' KB

**TOTAL DEPTH:** 9225'      **PBTD:** 9173'

**SURFACE CASING:** 9 5/8", 36# J-55 @ 2125'

**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 @ 9219'  
 TOC @ 180' per CBL

**PERFORATIONS:** Wasatch 5694' - 7016'  
 Mesaverde 7113' - 9084'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
<b>Annular Capacities</b>						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

**GEOLOGICAL TOPS:**

1266' Green River  
 1946' Mahogany  
 4606' Wasatch  
 7160' Mesaverde



## **NBU 1022-6FT- WELLHEAD REPAIR PROCEDURE**

### **PREP-WORK PRIOR TO MIRU:**

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

### **WORKOVER PROCEDURE:**

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure ).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~5644'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

### **CUT/PATCH PROCEDURE:**

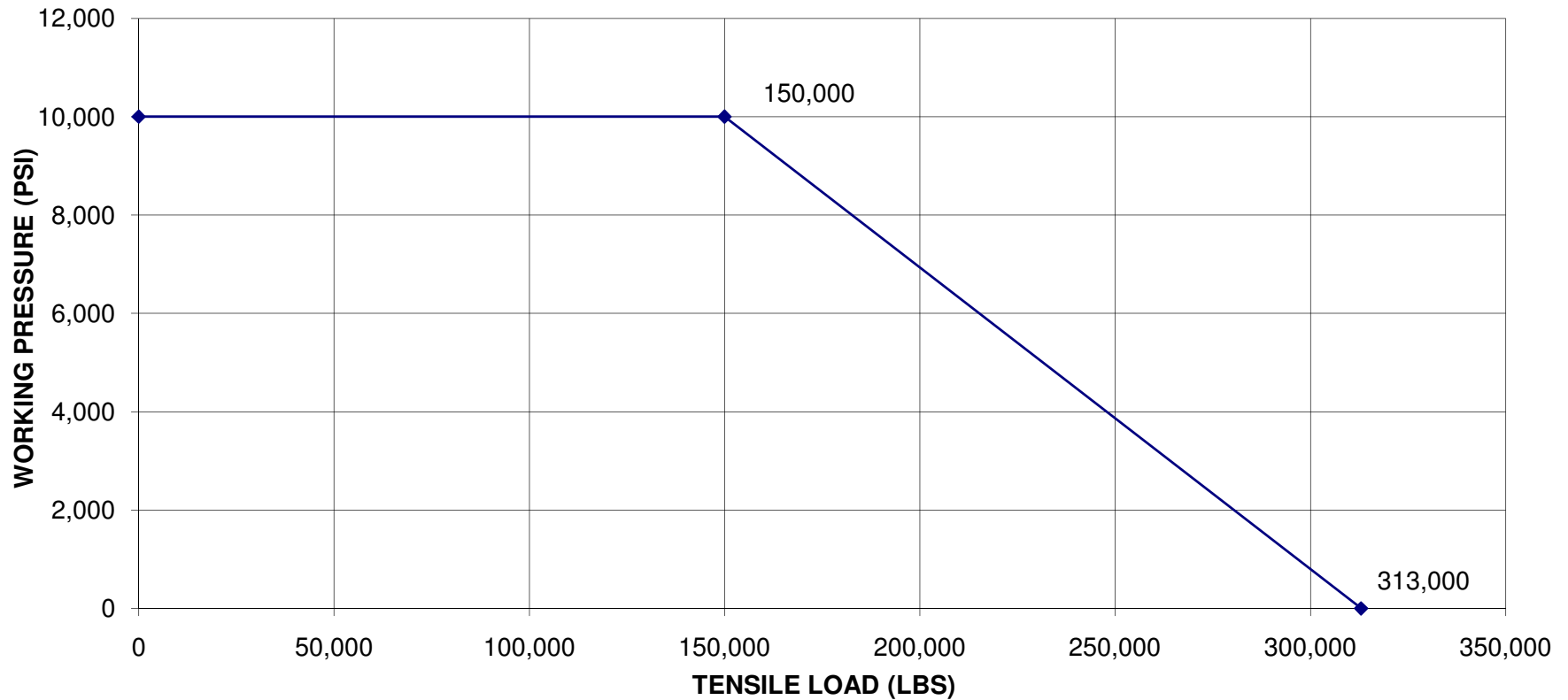
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOOH.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5594'. Clean out to PBTD (9173').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

### **BACK-OFF PROCEDURE:**

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to  $\pm 7000$  ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place  $\pm 7000$  ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5594'. Clean out to PBTD (9173').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH  
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L  
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:  
11,222 PSI @ 0 TENSILE  
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:  
Tensile Strength w/ 0 Int. Press.= 472,791lbs.  
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

**RECEIVED** Sep. 21, 2011



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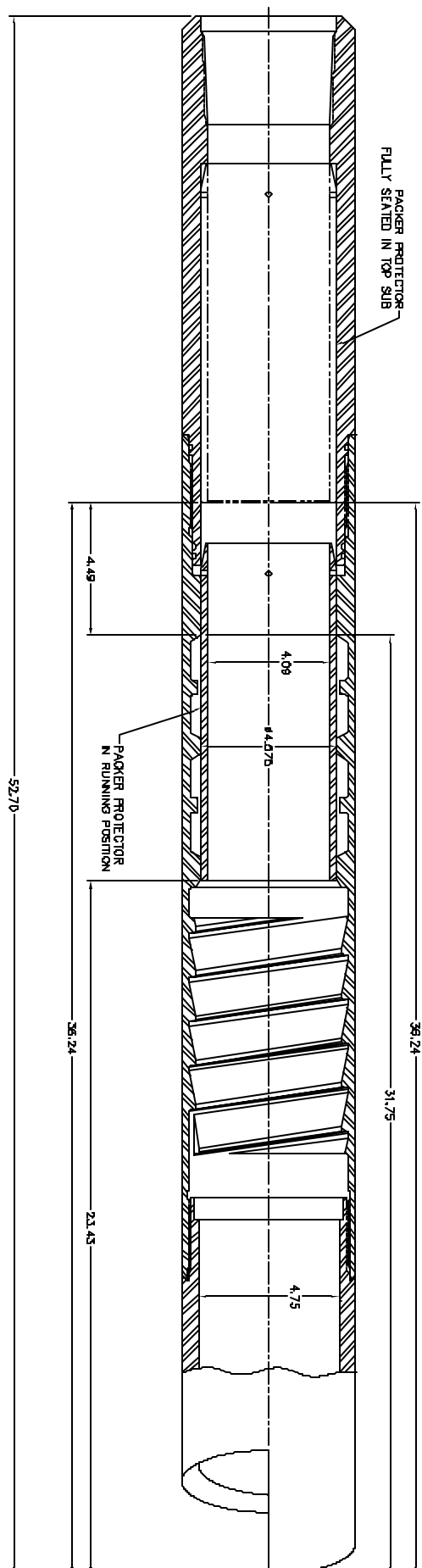
## **Logan High Pressure Casing Patches Assembly Procedure**

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0464
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-06FT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2138 FNL 1695 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401570000
<b>PHONE NUMBER:</b> 720 929-6514		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/23/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 26, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regularatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/17/2012	



**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-6FT				Spud Conductor: 8/7/2009				Spud Date: 8/8/2009			
Project: UTAH-UINTAH				Site: NBU 141 PAD				Rig Name No: SWABBCO 6/6			
Event: WELL WORK EXPENSE				Start Date: 11/21/2011				End Date: 11/23/2011			
Active Datum: RKB @5,101.00usft (above Mean Sea Level)				UWI: SE/NW/0/10/S/22/E/6/0/0/26/PM/N/2,138.00/W/0/1,695.00/0/0							
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
11/20/2011	11:00 - 15:00	4.00	COMP	35		P		travel to location rig up wireline. Rih latch plunger @ 8690. pooh. Rih jar up on spring @ 8690. pooh. Rig down. READY FOR WORKOVER RIG. LEFT SPRING AND PLUNGER BY WELLHEAD.			
11/21/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= WELL CONTROL			
	7:15 - 17:00	9.75	WO/REP	30		P		FWP= 100# MIRU RIG CONT TUBING W/ 20 BBLS TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP CONT CSG W/ 20 BBLS TMAC UNLAND TUBING LG HNGR POOH W/275 JNTS LD BHA RU W/L RIH W/ GUAGE RNG TO 5700' PU 10K CIBP RIH SET @ 5650' DUMP BAIL 2 SKS CEM FILL HOLE W/ TMAC PRESS TEST TO 500# SIW PREP TO REPAIR W/H IN AM SDFN			
11/22/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= CSG TONG SAFETY			
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI ND B OPS PU INT CUTTER CUT CSG BELOW HNGR PU OVERSHOT RUN OVER CSG RU W/L & CSG TONGS APPLY LH TORQUE SET OFF STRING SHOT B/O PUP PU NEW 4-1/2 X 10' PUP RUH MAKE UP TO CSG STRING W/ 6000# TORQUE RU TESTER & TEST TO 3500 PSI 30 MIN W/ 25# LOSS NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU BIT RIH TAG TOC @ 5640' PREP TO D/O IN AM SIW SDFN			
11/23/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= N2 FOAM UNIT			
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP= 0 PSI EST CIRC W/ N2 FOAM UNIT C/O & DRILL THRU CEM & CIBP @ 5650' W/ 0 PSI INCREASE CIRC CLEAN CONTINUE TO RIH TAG @ 9080' C/O TO 9095' CIRC CLEAN POOH LD 17 JNTS LAND TUBING ON HNGR W/ 257 JNTS 2-3/8" J-55 TUBING EOT @ 8589.62' DROP BALL PUMP OFF BIT W/ 0# PU 1.901 BROACH RIH TO XN NPL RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW RD RIG PREP TO MOVE ON MONDAY TO NBU 1022-10N SDF THANKSGIVING			